

M 5.4, 35km NNE of Palaikastron, Greece

Origin Time: 2019-12-10 21:58:28 UTC (Tue 23:58:28 local)
Location: 35.4880° N 26.4157° E Depth: 57.3 km

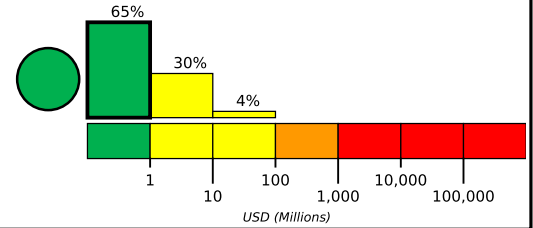
Created: 2 hours, 2 minutes after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

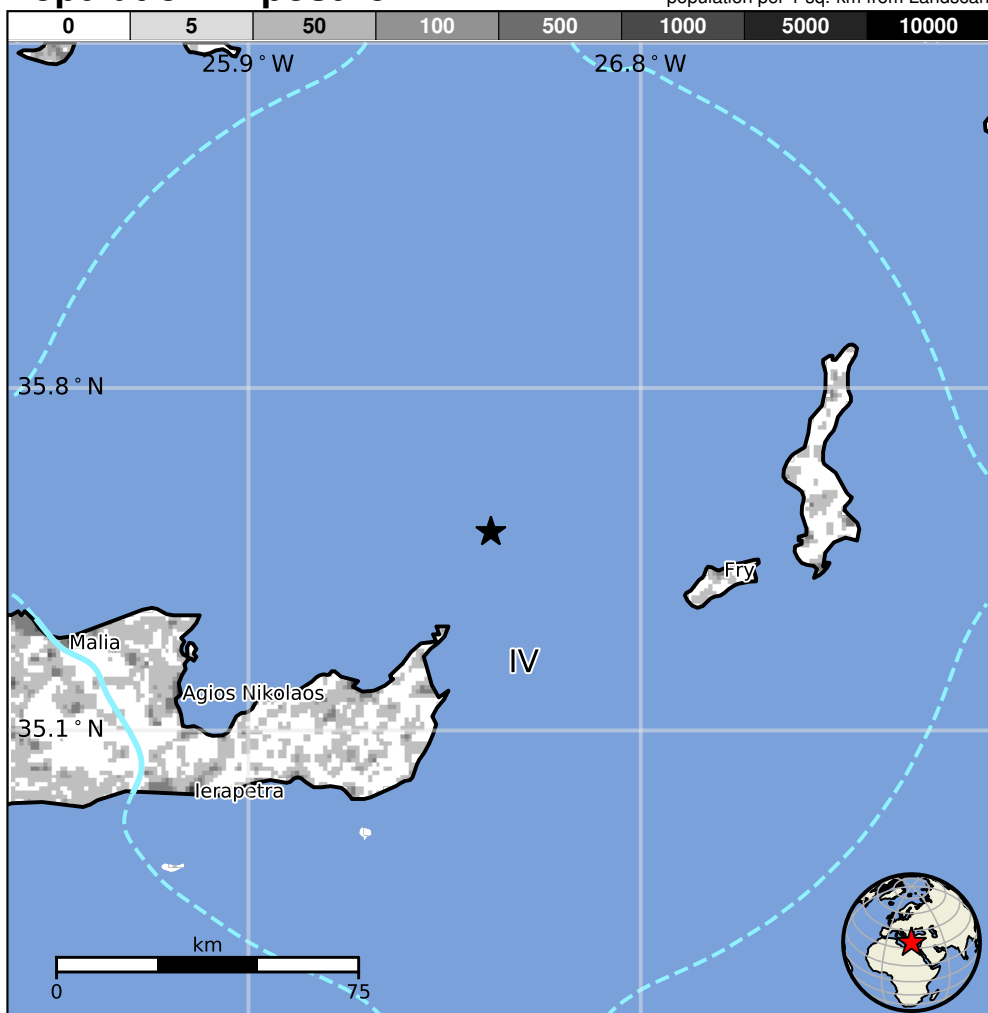


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	22k*	90k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are adobe block and dressed stone/block masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2002-01-21	373	4.8	VI(97k)	1
1974-02-01	347	5.4	VII(2k)	2
1999-09-07	382	6.0	IX(10k)	143

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Palekastro	1k
IV	Sitia	9k
IV	Fry	0
IV	Agios Nikolaos	11k
IV	Schisma Eloundas	2k
IV	Kentri	1k
IV	Karpathos	2k
IV	Malia	4k
IV	Ierapetra	12k
IV	Neapoli	3k
IV	Limin Khersonisou	3k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us60006pxs#pager>

bold cities appear on map.

(k = x1000)

Event ID: us60006pxs